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|---|---|---|--|----------------------|-----------------------------|--------------------|---------------|---------------------------------|--|
| SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE |   |   |  |                      | Attorney Docket No.         |                    | 50059/00      | 50059/007002                    |  |
| ,   |   |   |  |                      | Serial No.                  |                    | 09/830,4      | 09/830,400                      |  |
| INFORMATION DISCLOSURE  |   |   |  |                      |                             | Applicant          |               | Lee Nadier et al.               |  |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT  |   |   |  |                      |                             | Filing Date        |               | April 25, 2001                  |  |
| (Use several sheets if necessary) (37 C.F.R. §1.98(b))                                      |   |   |  |                      | Group<br>IDS Filed          |                    | Not Yet A     | Not Yet Assigned May 15, 2001   |  |
|   |   |   |  |                      |                             |                    | May 15, 2     |                                 |  |
|   |   |   |  |                      | Customer No.                |                    | 21559         | 21559                           |  |
|   |   |   | U.S. PATEN                                 | NTS                  |                             |                    |               |                                 |  |
| Examiner's<br>Initials  | Patent Number   | Issue Date                                    | Pate                                       | entee                |                             | Class              | Subclass      | Filing Date<br>(If Appropriate) |  |
| AJ  | 5,679,647   | 10/21/97                                      | Carson et al.                              |                      |                             |                    |               |                                 |  |
| AJ  | 5,747,317   | 05/05/98                                      | Cao  |                      |                             |                    |               |                                 |  |
| AJ  | 5,770,422   | 06/23/98                                      | Collins                                    |                      |                             |                    |               |                                 |  |
|   | FORE  | IGN PATENT (                                  | R PUBLISHED FO                             | REIGN                | PATENT A                    | PPLICATION         | ON            |                                 |  |
| Examiner's<br>Initials  | Document<br>Number  | Publication<br>Date                           |  | try or<br>Office     |                             | Class              | Subclass      | Translation<br>(Yes/No)         |  |
|   | OTHER DOCU  | MENTS (INCLU                                  | JDING AUTHOR, T                            | ITLE, D.             | ATE, PLAC                   | E OF PUB           | LICATION)     |                                 |  |
| AJ  | Bohm et al., "Ider<br>by Human Cytoto   | ntification of HL<br>xic T Cells," <i>Int</i> | A-A2-Restricted Epi<br>emational J. of Can | topes of<br>cer 75:6 | f the Tumor-<br>888-693 (19 | -Associate<br>98). | d Antigen Ml  | JC2 Recognized                  |  |
| AJ  | Brunette et al., "Immunotherapy (Cancer): "Tumor Antigen Specific Immunotherapy of Cancer: Peptide and Gene Based Modification of Dendritic Cells as Antigen Presenting Cells," Cancer Biotechnology Weekly p16 (1996). |   |  |                      |                             |                    |               |                                 |  |
| AJ  | Celis et al., "Identification of Potential CTL Epitopes of Tumor-Associated Antigen MAGE-1 for Five Common HLA-A Alleles," <i>Molecular Immunology</i> 31:1423-1430 (1994).   |   |  |                      |                             |                    |               |                                 |  |
| AJ  | Herlyn et al., "Epitope- and Antigen-Specific Cancer Vaccines," International Review of Immunology 7:245-257 (1991).  |   |  |                      |                             |                    |               |                                 |  |
| EXAMINER  | NER /Amy Juedes/ DATE CONSIDERED /Amy Juedes/   |   |  |                      |                             |                    | des/          |                                 |  |
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| SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE  |   |                                  |                            |              | Attorney Docket No. |              | 50059/00                        | 50059/007002                   |  |
|--|---|----------------------------------|----------------------------|--------------|---------------------|--------------|---------------------------------|--------------------------------|--|
| (MICHINE)  |   |                                  |                            |              | Serial No.          |              | 09/830,40                       | 09/830,400                     |  |
| INFORMATION DISCLOSURE   |   |                                  |                            |              |                     | Applicant    |                                 | Lee M. Nadler et al.           |  |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. §1.98(b))  |   |                                  |                            |              | Filing Date         |              | April 25, 2                     | April 25, 2001                 |  |
|  |   |                                  |                            |              | Group<br>IDS Filed  |              | Not Yet A                       | Not Yet Assigned July 30, 2001 |  |
|  |   |                                  |                            |              |                     |              | July 30, 2                      |                                |  |
|  |   |                                  |                            |              |                     | Customer No. |                                 | 21559                          |  |
|  |   |                                  | U.S. PATENTS               |              |                     |              |                                 |                                |  |
| Examiner's<br>Initials   |   |                                  |                            |              | Class               | Subclass     | Filing Date<br>(If Appropriate) |                                |  |
|  |   |                                  |                            |              |                     |              |                                 |                                |  |
| FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION   |   |                                  |                            |              |                     |              |                                 |                                |  |
| Examiner's<br>Initials   | Document<br>Number  | Publication<br>Date              | Country o                  | - : <u>-</u> | Class               | Subclass     | Translation (Yes/No)            |                                |  |
| AJ ·   | WO 98/14593   | 09.04.98                         | WIPO                       |              |                     |              |                                 | No                             |  |
| AJ   | WO 98/37181   | 27.08.98 WIPO                    |                            |              |                     |              |                                 | No                             |  |
|  | OTHER DOCU  | MENTS (INCL                      | JDING AUTHOR, TITLE        | ., D/        | ATE, PLAC           | E OF PUB     | LICATION)                       |                                |  |
| Schultze et al., "Autologous Adoptive T Cell Transfer For A Patient With Plasma Cell Leukemia: Results Of A Pilot Phase I That," Therapy of Chronic Lymphocytic Leukemia And Multiple Myeloma p. 109a Poster Board#/Session 446-1. |   |                                  |                            |              |                     |              |                                 |                                |  |
|  | Vonderheide et al., "The Telomerase Catalytic Subunit Is a Widely Expressed Tumor secociated Antigen Recognized By Cytotoxic T Lymphocytes," <i>Immunity</i> 10:673-679 (1999). |                                  |                            |              |                     |              |                                 |                                |  |
| EXAMINER /Amy Juedes/  |   |                                  | DATE                       | CON          | NSIDERED            |              | 09/21/2                         | 006                            |  |
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Sheet 1

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09/830,400 **Application Number** fied Form 1449/PTO April 25, 2001 **Filing Date** First Named Inventor INFORMATION DISCLOSURE STATEMENT BY APPLICANT **Group Art Unit** Not Yet Assigned **Examiner Name** 20363-015 NATL 9 2003 (use as many sheets as necessary)

Attorney Docket Number

TECH CENTER U.S. PATENT DOCUMENTS Sub Class Filing Date
If Appropriate U.S. Patent Document Class Cite No. Exam Initials Name of Patentee(s) or Applicant(s) Issue Date mm/dd/yyyy mm/dd/yyyy

| FOREIGN PATENT DOCUMENTS |    |                                       |           |                                     |                                |                       |  |
|--------------------------|----|---------------------------------------|-----------|-------------------------------------|--------------------------------|-----------------------|--|
| Exam Cite No.            |    | Foreign Patent Document Office Number |           | Name of Patentee(s) or Applicant(s) | Date of Publication mm/dd/yyyy | Translation<br>Yes No |  |
|                          | 83 | EP                                    | 1 093 381 | Norsk Hydro ASA                     | 04/25/2001                     |                       |  |
| АJ                       | B4 | wo                                    | 99/50392  | Geron Corp.                         | 10/07/1999                     |                       |  |

|  | <u>: ij. </u> | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS   |  |  |  |  |  |
|--|---------------|---|--|--|--|--|--|
| Exam Cite No.  |               | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.  |  |  |  |  |  |
| ÀJ   |               | Brossart, et al. (1998). "Her-2/neu-derived peptides are tumor-associated antigens expressed by human renal cell and colon carcinoma lines and are recognized by in vitro induced specific cytotoxic T lymphocytes." Cancer Research. 58(4):732-736.                                    |  |  |  |  |  |
|  | C8            | Jensen, et al. (1998). "A europium fluoroimmunoassay for measuring peptide binding to MHC class I molecules."  Journal of Immunological Methods. 215(1-2):71-80.  |  |  |  |  |  |
|  | С9            | Kawashima, et al. (1998). "The multi-epitope approach for immunotherapy for cancer: identification of several CTL epitopes from various tumor-associated antigens expressed on solid epithelial tumors." Human Immunology. 59(1):1-14   |  |  |  |  |  |
| 1  | C10           | Kim, et al. (1994). "Specific association of human telomerase activity with immortal cells and cancer." Science.  |  |  |  |  |  |
| ٠,   | C11           | Schultze, et al. (1997). "CD40-activated human B cells: an alternative source of highly efficient antigen presenting cells to generate autologous antigen-specific T cells for adoptive immunotherapy." Journal of Clinical Investigation. 100(11):2757-2765.                           |  |  |  |  |  |
| $\overline{\Psi}$  | C12           | Schultze, et al. (1997). "Vaccination as immunotherapy for B cell lymphoma." Hematological Oncology.  |  |  |  |  |  |
| A.T   patient blood: implications for widely applicable ar |               | Vonderheide, et al. (1999). "Generation of telomerase-specific HLA-A3-restricted cytotoxic T lymphocytes from patient blood: implications for widely applicable anti-cancer immunotherapy." Forty-first annual meeting of the American Society of Hematology, New Orleans. 94(10):677a. |  |  |  |  |  |
|  | 014           | Supplementary Partial European Search Report for Application No. EP 99 95 9777. Mailed on 11/11/2002.   |  |  |  |  |  |

| a copy of this reference is not provided as it was  | previously cited by or submitted to the office in a prior application, Serial No. |
|---|---|
| , filed   | and relied upon for an earlier filing date under 35 U.S.C. 9120 (continuation,    |
| continuation-in-part, and divisional applications). |   |

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|-----------------------|--------------|--------------------|------------|
| Examiner<br>Signature | /Amy Juedes/ | Date<br>Considered | 09/21/2006 |

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